

**From:** Separation Science e-Learning <elearning.solutions@sepscience.com>  
**Sent:** Monday, March 26, 2012 1:07 PM  
**To:** Hanchett, James (DPH)  
**Subject:** Improve Your MS Skills with Web-based Courses

MS training 

[Web Version](#) [Forward](#) [Unsubscribe](#)

LIVE ON THE WEB

Separation Science e-Learning Update

## MS Masterclasses 2012

*If you've ever wished that mass spectrometry was more logical and methodical, then these masterclasses are for you. Presented by leading mass spectrometry educators Frederick Klink and David Sparkman, they are offered 'LIVE ON THE WEB':*

Our Live-on-the-Web offering has been our most popular course format for the last couple of years. Many scientists see the advantage of staying at home to receive their training, reducing both travel costs and time away from the lab. You can click the links below to learn more about the content for these courses:

### Mass Spectral Interpretation

This course is designed to develop the fundamental skills necessary to understand fragmentation of ions formed by electron ionization (EI) in GC/MS or by one of the soft ionization techniques employed in LC/MS. It teaches you the important skills of how to determine the "quality" of a mass spectrum and how to decide if the mass spectrum is worthy of an attempted mass spectral interpretation. Whatever your experience level, you will gain valuable knowledge in this course.

#### 2012 Course Schedule

LIVE ON THE WEB

Apr 18-May 16: [Click here>>](#)

Sep 24-Oct 31: [Click here>>](#)

### LC/MS Fundamentals and Applications

This is a comprehensive overview course that provides attendees with relevant, practical approaches that can be immediately applied in the lab. The theory of LC/MS interfaces (electrospray, atmospheric pressure chemical ionization, and atmospheric pressure photoionization), is presented to the extent necessary to understand operation of these instruments but the real focus of this class is improving your ability to use LC/MS on a daily basis.

#### 2012 Course Schedule

LIVE ON THE WEB

Apr 3 - May 17 [Click here>>](#)

Sep 25 - Nov 1: [Click here>>](#)

### Peptide and Protein Characterization with MS

This course is suitable for protein chemists who are new to mass spectrometry or are considering LC/MS or MALDI who will benefit from this introduction to the technique. Experienced MS analysts who find themselves confronting protein analysis problems will also benefit from the practical advice and applications overview. All attendees will come away with a basic knowledge of state-of-the-art approaches to protein analysis by MS and will find the well-organized course manual a useful tool to have in the lab as well as an invaluable source of references.

#### 2012 Course Schedule

LIVE ON THE WEB


May 21 - Jun 20 [Click here>>](#)


Nov 12 - Dec 7: [Click here>>](#)

#### SPECIAL OFFER:

Attend the first session of any of our "Live-on-the-Web" training classes for only \$100. If you find that after attending the first session you like this way of learning and wish to attend the full class we will credit the \$100 toward your full tuition payment. To take advantage of this \$100 offer for the first session of any of our classes, please e-mail [jackie.tan@sepscience.com](mailto:jackie.tan@sepscience.com)

### Course Leaders

 Fred Klink is a trainer and consultant to the pharmaceutical, biotech, and chemical industries as well as law enforcement and other government laboratories. Fred's specialty is HPLC, LC/MS, and solid-phase extraction technologies. Fred received a degree in biochemistry from Northwestern University and completed graduate studies and an internship in forensic chemistry at the University of Illinois. Fred is the author of several journal articles and book chapters including the LC/MS entry in the Wiley *Encyclopedia of Analytical Chemistry*. He is a member of the American Chemical Society and American Society for Mass Spectrometry.

 Dr. David Sparkman is currently an Adjunct Professor of Chemistry at the University of the Pacific in Stockton, California. Consultant to the National Institute of Standards and Technology Mass Spectrometry Data Center, President of ChemUserWorld.com, and a former American Chemical Society Instructor and American Society for Mass Spectrometry Member-at-large for Education. Over the past 28 years, he has developed and taught five different ACS courses in mass spectrometry. He is the author of *Mass Spectrometry Desk Reference*.

**Read more about the practicalities of mass spectrometry from Fred and David in**



Published by Eclipse Business Media Ltd  
Frederick House | Princes Court | Beam Heath Way | Nantwich | Cheshire CW5 6PQ | United Kingdom  
20 Maxwell Road | #09-17 Maxwell House | Singapore 069113

Copyright © 2012 Eclipse Business Media Ltd. All rights reserved.

To sponsor or advertise in this e-newsletter contact [teresa.grimes@sepscience.com](mailto:teresa.grimes@sepscience.com)  
For editorial contributions >>> [jackie.tan@sepscience.com](mailto:jackie.tan@sepscience.com)

This message was sent from Separation Science e-Learning to [james.hanchett@state.ma.us](mailto:james.hanchett@state.ma.us). It was sent from: Eclipse Business Media Ltd, Frederick House, Princes Court, Beam Heath Way, Nantwich, Cheshire CW5 6PQ, United Kingdom. You can modify/update your subscription via the link below.

[Unsubscribe](#)